	umber	Hits	Search Text	DB	Time stamp
11		41	(mtj or tmr) and (afm or antiferromagnetic	USPAT;	2004/05/28 12:26
			or anti-ferromagnetic or pinning) near3 synthetic	US-PGPUB; EPO; JPO;	
				DERWENT; IBM TDB	
12		88	(mtj or tmr or mram or magnetic adj memory)	USPAT;	2004/05/28 12:32
			and (afm or antiferromagnetic or	US-PGPUB;	,,
			anti-ferromagnetic or pinning) near3	EPO; JPO;	
			synthetic	DERWENT;	
				IBM TDB	
13		0	(mtj or tmr or mram or magnetic adj memory)	USPAT;	2004/05/28 12:33
			and (saf) near3 (touching or connecting or	US-PGPUB;	
			adjacent or contacting) near3 free	EPO; JPO;	
				DERWENT;	
				IBM_TDB	
14		14	(US-6301088-\$ or US-6341053-\$ or	USPAT;	2004/05/28 12:56
			US-6700760-\$ or US-6479848-\$ or US-6542341-\$	US-PGPUB	
			or US-6404674-\$ or US-6034887-\$ or		
			US-6418048-\$ or US-6456525-\$ or US-6282069-\$		
			or US-6040961-\$ or US-6052263-\$).did. or		
15		59	(US-20020154455-\$ or US-20020122338-\$).did.	HICDAÜ -	2004/05/20 12 12
دـ	•	39	mram and (top or bottom) near3 (mtj or tmr)	USPAT;	2004/05/28 12:47
16		62	mram and (top or bottom) near3 (mtj or tmr)	US-PGPUB USPAT;	2004/05/28 12:52
10		02	mram and (cop or boccom) hears (mc) or cmr)	US-PGPUB;	2004/05/28 12:52
				EPO; JPO;	,
	,	,		DERWENT;	
		,		IBM TDB	
17		357	mram and (pinned or fixed) and (free or	USPAT;	2004/05/28 12:55
			sensing or sense) and (layer or order) near2	US-PGPUB;	2004/03/20 12.33
		•	(reverse or reversed or opposite or	EPO; JPO;	
			reversing or reversal)	DERWENT;	
			·	IBM TDB	, , , , , , , , , , , , , , , , , , , ,
18		6	mram and (top near pinned) near20 bottom	USPAT;	2004/05/28 12:58
		, 1 m	near pinned	US-PGPUB;	
				EPO; JPO;	,
				DERWENT;	
		*		IBM_TDB	
19		· 35	(mram or spin adj valve or mtj or tmr or	USPAT;	2004/05/28 13:00
			gmr) and (top near3 pinned) near10 (bottom	US-PGPUB;	
			near3 pinned)	EPO; JPO;	
				DERWENT;	
2.0		68	ton noon? (the on mtd on turnel add	IBM_TDB	0004/05/00 10 00
20			top near3 (tmr or mtj or tunnel adj junction) near15 bottom near3 (tmr or mtj or	USPAT;	2004/05/28 13:03
			tunnel adj junction)	US-PGPUB; EPO; JPO;	
		-1	Calification Cali	DERWENT;	
				IBM TDB	[
21		31	top near (tmr or mtj or tunnel adj junction)	USPAT;	2004/05/28 13:04
			near30 bottom near (tmr or mtj or tunnel adj	US-PGPUB;	=551,55,25 15.04
	-		junction)	EPO; JPO;	
	. ,			DERWENT;	
	İ	i		IBM TDB	
-		877	(mram or memory) and (pinned) and (pinning	USPAT;	2004/05/28 09:12
	}		or antiferromagnetic or afm) and (free or	US-PGPUB;	
			sense or sensing)	EPO; JPO;	
				DERWENT;	
	l			IBM_TDB	
٠			/	USPAT;	2004/05/28 09:07
		73	(mram or memory) and (pinned) and (pinning		
<u>-</u>		73	or antiferromagnetic or afm) and (free or	US-PGPUB;	
		73	or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or	US-PGPUB; EPO; JPO;	
		73	or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4	US-PGPUB; EPO; JPO; DERWENT;	
· •		73	or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling	US-PGPUB; EPO; JPO;	
-		73	or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or	US-PGPUB; EPO; JPO; DERWENT;	
-		73	or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or below or beneath or under or underneath)	US-PGPUB; EPO; JPO; DERWENT;	
_			or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or below or beneath or under or underneath) near4 (sense or sensing or free)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/05 55 55
-			or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or below or beneath or under or underneath)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/28 09:08
- 			or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or below or beneath or under or underneath) near4 (sense or sensing or free)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/05/28 09:08
-			or antiferromagnetic or afm) and (free or sense or sensing) and (antiferromagnetic or pinning or afm or anti-ferromagnetic) near4 (coupled or adjacent or "near" or coupling or offset or above or upon or on adj top or below or beneath or under or underneath) near4 (sense or sensing or free)	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/05/28 09:08

- 4 6351410.pn. 6163477.pn.	USPAT; US-PGPUB;	2004/05/28 09:09
		I control of the cont
	EPO; JPO;	
	DERWENT;	
	IBM_TDB	
- 76 (mram or memory or spin adj valve or mtf or	USPAT;	2004/05/28 09:44
tmj or tmr or gmr) and (pinned) and (pinning or antiferromagnetic or afm) near3 (coupling	US-PGPUB; EPO; JPO;	
or coupled or connected) near3 (free or	DERWENT;	
sense or sensing)	IBM TDB	
- 8 ("5315282" "5390061" "5650958"	USPAT	2004/05/28 09:26
"5729410" "5764567" "5768069"		**
"5780176" "5801984") .PN.	110000	0004/05/00 00 00
- 7 6341053.URPN. - 11 ("5173873" "5650958" "5768181"	USPAT USPAT	2004/05/28 09:28 2004/05/28 09:39
"5841692" "5966012" "5982658"	OBIAI	2004/03/20 03:33
"6028786" "6166948" "6219212"		
"6404674" "6480411").PN.		
77 (mram) and (pinned) and (pinning or	USPAT;	2004/05/28 09:48
antiferromagnetic or afm) and (coupling or coupled or connected) near (free or sense or	US-PGPUB; EPO; JPO;	4
sensing)	DERWENT;	•
	IBM TDB	
- 13 (mram) and (pinned) and (pinning or	USPAT;	2004/05/28 09:51
antiferromagnetic or afm) and (free or sense	US-PGPUB;	
or sensing) near2 (centered or centering or offset)	EPO; JPO; DERWENT;	
OTTSEC!	IBM TDB	
- 19 (mram) and (pinned) and (pinning or	USPAT;	2004/05/28 09:55
antiferromagnetic or afm) and (free or sense	US-PGPUB;	, ,
or sensing) near (bias or biased or biasing)	EPO; JPO;	
	DERWENT;	
- 2 (mram or magnetic near memory) and (pinned)	IBM_TDB USPAT;	2004/05/28 10:13
and (pinning or antiferromagnetic or afm)	US-PGPUB;	2004/05/20 10:15
near2 (adjacent or touching or contacting)	EPO; JPO;	r
near2 (free or sense or sensing)	DERWENT;	
- 62 (mram) and (pinned) and (pinning or	IBM_TDB	0004/05/00 10 04
62 (mram) and (pinned) and (pinning or antiferromagnetic or afm) and (free or sense	USPAT; US-PGPUB;	2004/05/28 10:04
or sensing) and (processor) and (circuit or	EPO; JPO;	
ic)	DERWENT;	
	IBM_TDB	
226 (mram) and (pinned) and (pinning or antiferromagnetic or afm) and (free or sense	USPAT; US-PGPUB;	2004/05/28 10:05
or sensing) and ((word or bit or digit or	EPO; JPO;	50
row or column) near2 (conductor or line) or	DERWENT;	
wordline or bitline)	IBM_TDB	
52 (mram) and (pinned) and (pinning or	USPAT;	2004/05/28 10:05
antiferromagnetic or afm) and (free or sense or sensing) and ((word or bit or digit or	US-PGPUB; EPO; JPO;	
row or column) near2 (conductor or line) or	DERWENT;	
wordline or bitline) and processor	IBM_TDB	
- 29 (mram or memory or spin adj valve or mtf or	USPAT;	2004/05/28 10:20
tmj or tmr or gmr) and (pinned) and (pinning	US-PGPUB;	
or antiferromagnetic or afm) near2 (adjacent or touching or contacting or exchange near	EPO; JPO; DERWENT;	
coupling or exchange near coupled) near2	IBM_TDB	
(free or sense or sensing)		
4 ("5576915" "5909345" "5971400"	USPAT	2004/05/28 10:16
"6040961").PN. - 26 (mram) and (apc or antiparallel near	IICDATT -	2004/05/20 10 01
coupling or antiparallel near coupler or	USPAT; US-PGPUB;	2004/05/28 10:24
antiparallel near coupled)	EPO; JPO;	
	DERWENT;	
	IBM_TDB	
72 (mram) and (afm or antiferromagnetic or anti-ferromagnetic or pinning) near3	USPAT;	2004/05/28 11:48
(synthetic)	US-PGPUB; EPO; JPO;	
	DERWENT;	
	IBM_TDB	<u></u>